

Xiaoming Liu

List of Publications by Year in descending order

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41
papers

2,168
citations

218677

26
h-index

276875

41
g-index

41
all docs

41
docs citations

41
times ranked

2147
citing authors

#	ARTICLE	IF	CITATIONS
1	Y ₂ O ₃ :Eu ³⁺ Microspheres: Solvothermal Synthesis and Luminescence Properties. <i>Crystal Growth and Design</i> , 2007, 7, 730-735.	3.0	213
2	Host-Sensitized Luminescence Properties in CaNb ₂ O ₆ :Ln ³⁺ (Ln ³⁺ = Eu ³⁺ /Tb ³⁺ /Dy ³⁺ /Sm ³⁺) Phosphors with Abundant Colors. <i>Inorganic Chemistry</i> , 2015, 54, 323-333.	4.0	157
3	Tunable Luminescence Properties of CaIn ₂ O ₄ :Eu ³⁺ Phosphors. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16601-16607.	3.1	149
4	LaGaO ₃ :A (A = Sm ³⁺ and/or Tb ³⁺) as promising phosphors for field emission displays. <i>Journal of Materials Chemistry</i> , 2008, 18, 221-228.	6.7	145
5	LaF ₃ , CeF ₃ , CeF ₃ :Tb ³⁺ , and CeF ₃ :Tb ³⁺ @LaF ₃ (Core-Shell) Nanoplates: Hydrothermal Synthesis and Luminescence Properties. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2904-2910.	3.1	131
6	Synthesis and Luminescent Properties of LaAlO ₃ :RE ³⁺ (RE = Tm, Tb) Nanocrystalline Phosphors via a Sol-Gel Process. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8478-8483.	3.1	102
7	Synthesis and Luminescent Properties of GdNbO ₄ :RE ³⁺ (RE = Tm, Dy) Nanocrystalline Phosphors via the Sol-Gel Process. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21972-21980.	3.1	90
8	Synthesis and Luminescence Properties of YNbO ₄ :A (A = Eu ³⁺ and/or Tm ³⁺) Phosphors. <i>Inorganic Chemistry</i> , 2014, 53, 27516-27524.	3.1	75
9	Multichannel Luminescence Properties of Mixed-Valent Eu ²⁺ /Eu ³⁺ Coactivated SrAl ₃ BO ₇ Nanocrystalline Phosphors for Near-UV LEDs. <i>Inorganic Chemistry</i> , 2017, 56, 13829-13841.	4.0	67
10	Gold nanoparticles embedded in Ta ₂ O ₅ /Ta ₃ N ₅ as active visible-light plasmonic photocatalysts for solar hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14927-14939.	10.3	66
11	Host-Sensitized and Tunable Luminescence of GdNbO ₄ :Ln ³⁺ (Ln ³⁺ = Tm ³⁺ , Dy ³⁺) Phosphors with Abundant Colors. <i>Inorganic Chemistry</i> , 2016, 55, 10383-10396.	4.0	65
12	A g-C ₃ N ₄ @Au/SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ composite as an efficient plasmonic photocatalyst for round-the-clock environmental purification and hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19173-19186.	10.3	60
13	Host-sensitized luminescence of Dy ³⁺ , Pr ³⁺ , Tb ³⁺ in polycrystalline CaIn ₂ O ₄ for field emission displays. <i>Journal of Solid State Chemistry</i> , 2007, 180, 1421-1430.	2.9	57
14	CdS quantum dots confined in mesoporous TiO ₂ with exceptional photocatalytic performance for degradation of organic pollutants. <i>Chemosphere</i> , 2017, 178, 1-10.	8.2	55
15	Facile Sonochemical Synthesis of Single-Crystalline Europium Fluoride with Novel Nanostructure. <i>Crystal Growth and Design</i> , 2007, 7, 2505-2511.	3.0	50
16	Photocatalytic hydrogen production using visible-light-responsive Ta ₃ N ₅ photocatalyst supported on monodisperse spherical SiO ₂ particulates. <i>Materials Research Bulletin</i> , 2014, 49, 58-65.	5.2	47
17	A novel hierarchical Bi ₂ MoO ₆ /Mn _{0.2} Cd _{0.8} S Heterostructured Nanocomposite for Efficient Visible-light hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 2884-2895.	7.1	47
18	Luminescence properties of R ₂ MoO ₆ :Eu ³⁺ (R = Gd, Y, La) phosphors prepared by Pechini sol-gel process. <i>Journal of Materials Research</i> , 2005, 20, 2676-2681.	2.6	46

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19	Construction of Au/g-C ₃ N ₄ /ZnIn ₂ S ₄ plasma photocatalyst heterojunction composite with 3D hierarchical microarchitecture for visible-light-driven hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 2900-2913.	7.1	43
20	Host-Sensitized Luminescence of Dy ³⁺ , Pr ³⁺ , Tb ³⁺ in Polycrystalline SrIn ₂ O ₄ for Field Emission Displays. <i>Journal of the Electrochemical Society</i> , 2007, 154, J21.	2.9	41
21	Silica Supported Submicron SiO ₂ @Y ₂ SiO ₅ :Eu ³⁺ and SiO ₂ @Y ₂ SiO ₅ :Ce ³⁺ /Tb ³⁺ Spherical Particles with a Core-Shell Structure: Sol-Gel Synthesis and Characterization. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3667-3675.	2.0	39
22	Nanocrystalline LaGaO ₃ :Tm ³⁺ as an efficient blue phosphor for field emission displays with high color purity. <i>Applied Physics Letters</i> , 2007, 90, 184108.	3.3	39
23	Tunable Cathodoluminescence Properties of Tb ³⁺ -Doped La ₂ O ₃ Nanocrystalline Phosphors. <i>Journal of the Electrochemical Society</i> , 2010, 157, P1.	2.9	39
24	Dy ³⁺ - and Eu ³⁺ -doped LaGaO ₃ nanocrystalline phosphors for field emission displays. <i>Journal of Applied Physics</i> , 2006, 100, 124306.	2.5	38
25	Carbon quantum dot-sensitized and tunable luminescence of Ca ₁₉ Mg ₂ (PO ₄) ₁₄ :Ln ³⁺ (Ln ³⁺ = Tj, ET, Qq) via a sol-gel process. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2361-2375.	5.5	29
26	Tunable Photoluminescence and Cathodoluminescence Properties of Eu ³⁺ -Doped LaInO ₃ Nanocrystalline Phosphors. <i>Journal of the Electrochemical Society</i> , 2009, 156, P1.	2.9	27
27	Multi-color luminescence evolution of SrGdAlO ₄ :Ln ³⁺ (Ln ³⁺ = Eu ³⁺ and/or Tb ³⁺) nanocrystalline phosphors via a sol-gel process. <i>Journal of Alloys and Compounds</i> , 2018, 753, 781-790.	5.5	27
28	Fabrication of a near-infrared excitation surface molecular imprinting ratiometric fluorescent probe for sensitive and rapid detecting perfluorooctane sulfonate in complex matrix. <i>Journal of Hazardous Materials</i> , 2021, 413, 125353.	12.4	26
29	Synthesis and characterization of monodisperse spherical core-shell structured SiO ₂ @Y ₃ Al ₅ O ₁₂ :Ce ³⁺ /Tb ³⁺ phosphors for field emission displays. <i>Journal of Nanoparticle Research</i> , 2007, 9, 869-875.	1.9	22
30	Tunable Luminescence Properties of Tb ³⁺ -Doped LaGaO ₃ Nanocrystalline Phosphors. <i>Journal of the Electrochemical Society</i> , 2007, 154, J185.	2.9	21
31	Synthesis and Luminescent Properties of Lu ₃ Ga ₅ O ₁₂ :RE ³⁺ (RE=Eu, Tb, and Pr) Nanocrystalline Phosphors via Sol-Gel Process. <i>Journal of the Electrochemical Society</i> , 2008, 155, P21.	2.9	21
32	Non-noble metal ultrathin MoS ₂ nanosheets modified Mn _{0.2} Cd _{0.8} S heterostructures for efficient photocatalytic H ₂ evolution with visible light irradiation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 26770-26784.	7.1	20
33	Color-Tunable Luminescence of YNbO ₄ :Ln ³⁺ (Ln ³⁺ = Tj, ET, Qq) via a Sol-Gel Process. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5262-5271.	2.0	17
34	Comparative Study of Ga ₂ O ₃ :Dy ³⁺ Phosphors Prepared by Three Methods. <i>Journal of the Electrochemical Society</i> , 2007, 154, P86.	2.9	16
35	An Efficient Nanocrystalline La ₂ O ₃ :Tm ³⁺ Blue Phosphor for Field-Emission Displays with High Color Purity. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, J96.	2.2	15
36	Promoting the photocatalytic H ₂ evolution activity of CdLa ₂ S ₄ nanocrystalline using few-layered WS ₂ nanosheet as a co-catalyst. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 2327-2337.	7.1	15

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37	Broad-Band Excited and Tunable Luminescence of CaTbAl ₃ O ₇ :RE ³⁺ (RE ³⁺ = Ce ³⁺ and/or Eu ³⁺) Nanocrystalline Phosphors for Near-UV WLEDs. <i>Inorganic Chemistry</i> , 2020, 59, 12348-12361.	4.0	14
38	Monodisperse spherical sandwiched core-shell structured SiO ₂ Au Ta ₂ O ₅ and SiO ₂ Au Ta ₃ N ₅ composites as visible-light plasmonic photocatalysts. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 20546-20562.	7.1	13
39	Electroabsorption Spectra of Lead Sulfide (PbS) Quantum Dots in a Polymer Film. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21483-21489.	3.1	9
40	Synthesis, conductivity, and electromagnetic wave absorption properties of chiral poly<sc>S</sc>chiff bases and their silver complexes. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	9
41	Multi-color luminescence evolution of La ₂ Zr ₃ (MoO ₄) ₉ :Ln ³⁺ (Ln ³⁺ = Dy ³⁺ and/or Eu ³⁺) nanocrystalline phosphors for UV-pumped white light-emitting devices. <i>Journal of Luminescence</i> , 2018, 203, 179-188.	3.1	6